

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/000,338	12/04/2001	Makoto Nagase	NIP-155-03	2189
7	7590 05/25/2004		EXAM	INER
MATTINGLY, STANGER, MALUR, P.C.			LISH, PETER J	
ATTORNEYS SUITE 370	AT LOW		ART UNIT	PAPER NUMBER
1800 DIAGONAL ROAD			1754	
ALEXANDRI	A, VA 22314		DATE MAILED: 05/25/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

	1 2 2 2	A P	
	Application No.	Applicant(s)	14
Office Action Commen	10/000,338	NAGASE ET AL.	O''
Office Action Summary	Examiner	Art Unit	
The MAN DIO DATE CO.	Peter J Lish	1754	
The MAILING DATE of this communicate Period for Reply	nion appears on the cover sneet wi	ui uie correspondence address	
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATE OF THIS COMMUNIC	ATION. 37 CFR 1.136(a). In no event, however, may a recation. lays, a reply within the statutory minimum of thirt orry period will apply and will expire SIX (6) MON , by statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communic ANDONED (35 U.S.C. § 133).	cation.
Status			
1) Responsive to communication(s) filed	on <u>15 October 2003</u> .		
2a)⊠ This action is FINAL . 2b)	☐ This action is non-final.		
3) Since this application is in condition for closed in accordance with the practice	·		ts is
Disposition of Claims			
4) ☐ Claim(s) 1-8 is/are pending in the applied 4a) Of the above claim(s) is/are 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-8 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction Application Papers 9) ☐ The specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to by the Experiment of the specification is objected to be specification in the specification in the specification is objected to be specification in the specification in the specification is objected to be specification in the specification in the specification is objected to be specification in the specification in the specification is objected to be specification in the specification in the specification is objected to be specification in the spe	withdrawn from consideration. on and/or election requirement.		
10) The drawing(s) filed on is/are: a Applicant may not request that any objection Replacement drawing sheet(s) including the 11) The oath or declaration is objected to b	on to the drawing(s) be held in abeyan e correction is required if the drawing(ice. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.12	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for a) All b) Some * c) None of: 1. Certified copies of the priority do	ocuments have been received. Incuments have been received in A the priority documents have been all Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage)
Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PT Paper No(s)/Mail Date 10/15/03.	-948) Paper No(s	ummary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 	

Application/Control Number: 10/000,338

Art Unit: 1754

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 10/15/03 have been fully considered but they are not persuasive. Applicant argues the failure of Murray to teach any response to the breaking of the cation resin indicates a lack of recognition that the breaking of the cation resin is a significant development, and it would therefore not be obvious to one of ordinary skill at the time of invention to stop the injection of hydrazine. However, stopping the injection of liquids in order to ensure that the process occurs effectively (which requires a working cation exchange resin) is obvious to one of ordinary skill in the art. The fact that the Murray reference does not teach a response to the breaking of the cation resin would not prevent one of ordinary skill at the time of invention from acting accordingly. Moreover, the lack of a teaching in Murray cannot be determined to be due to a lack of recognition of a significant development; it may just as likely be that Murray either did not experience the breaking of the exchange resin or that Murray thought it obvious to halt the process when a major component broke down.

The terminal disclaimer filed on 10/15/03 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent No. 6,335,475 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Application/Control Number: 10/000,338

Art Unit: 1754

Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Murray '855 in view of Milner '513 and JP 409174066A.

The rejection of the previous office action is maintained in its entirety and incorporated herein by reference.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter J Lish whose telephone number is 571-272-1354. The examiner can normally be reached on 9:00-6:00 Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on 571-272-1358. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 1754

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PL

STUART L. HENDRICKSON PRIMARY EXAMINER